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## OM protein - protein search, using SW model

Run on: January 16, 2003, 16:49:27, Search time: 3'743 seconds

(without alignments)  
32 360 Million cell updates/sec

Perfect score: 28 US-09-856-070-26

Sequence: 1 20YFF 5

Scoring table: BLASTM62 Gapop 10 6 , capext. 0 5

Searched: 120991 seqs, 19878514 residues

Total number of hits satisfying chosen parameters: 126431

Minimum DB seq length: 0

Maximum DB seq length: 200000000

post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : published\_Applications\_AA:\*

- 1: /cgns\_6/pdbaa/US08-NEW\_PDB.pop:\*
- 2: /cgns\_6/picdata/2/pdbaa/PCT\_NEW\_PDB.pop:\*
- 3: /cgns\_6/picdata/2/pdbaa/US08\_NEW\_PDB.pop:\*
- 4: /cgns\_6/picdata/2/pdbaa/US08\_NEW\_PDB.pop:\*
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- 6: /cgns\_6/picdata/2/pdbaa/US07\_PDBCOMB.pop:\*
- 7: /cgns\_6/picdata/2/pdbaa/US07\_PDBCOMB.pop:\*
- 8: /cgns\_6/picdata/2/pdbaa/US08\_PDBCOMB.pop:\*
- 9: /cgns\_6/picdata/2/pdbaa/US09\_PDBCOMB.pop:\*
- 10: /cgns\_6/picdata/2/pdbaa/US09\_PDBCOMB.pop:\*
- 11: /cgns\_6/picdata/2/pdbaa/US10\_PDBCOMB.pop:\*
- 12: /cgns\_6/picdata/2/pdbaa/US10\_PDBCOMB.pop:\*
- 13: /cgns\_6/picdata/2/pdbaa/US11\_PDBCOMB.pop:\*
- 14: /cgns\_6/picdata/2/pdbaa/US12\_PDBCOMB.pop:\*

Pred: No is the number of results predicted by chance to have a score greater than or equal to the score of the total score distribution.

## SUMMARIES

Result No.: Score

Query Length DB ID

Description

| Result No. | Score | Match | Length | DB ID                  | Description        |
|------------|-------|-------|--------|------------------------|--------------------|
| 1          | 28    | 190.0 | 37     | 16 US-09-856-741-48620 | Sequence 48620, A  |
| 2          | 28    | 190.0 | 159    | 9 US-19-174-593-516    | Sequence 516, APP  |
| 3          | 28    | 190.0 | 154    | 9 US-19-176-584        | Sequence 584, APP  |
| 4          | 28    | 190.0 | 153    | 17 US-19-1052-200-940  | Sequence 940, APP  |
| 5          | 28    | 190.0 | 625    | 16 US-09-992-200-946   | Sequence 946, APP  |
| 6          | 28    | 190.0 | 132    | 9 US-19-941-856-3      | Sequence 3, APP    |
| 7          | 28    | 190.0 | 132    | 9 US-19-041-856-4      | Sequence 4, APP    |
| 8          | 28    | 190.0 | 132    | 9 US-19-041-856-5      | Sequence 5, APP    |
| 9          | 25    | 89.3  | 36     | 10 US-09-864-761-8993  | Sequence 3993, A   |
| 10         | 25    | 89.3  | 104    | 9 US-09-738-626-6719   | Sequence 6719, APP |
| 11         | 25    | 89.3  | 134    | 16 US-09-864-761-44664 | Sequence 44664, A  |
| 12         | 25    | 89.3  | 181    | 10 US-09-867-550-1394  | Sequence 1394, APP |
| 13         | 25    | 89.3  | 216    | 10 US-09-745-763-4     | Sequence 4, APP    |
| 14         | 25    | 89.3  | 298    | 10 US-09-830-729-87    | Sequence 87, APP   |
| 15         | 25    | 89.3  | 298    | 10 US-09-830-729-121   | Sequence 121, APP  |
| 16         | 25    | 89.3  | 417    | 10 US-09-815-242-60425 | Sequence 60425, A  |
| 17         | 25    | 89.3  | 334    | 10 US-09-925-290-932   | Sequence 932, APP  |
| 18         | 25    | 89.3  | 348    | 9 US-09-738-626-5823   | Sequence 5823, APP |
| 19         | 25    | 89.3  | 350    | 9 US-09-738-626-6099   | Sequence 6099, APP |

## ALIGNMENTS

|    |    |      |      |                        |                     |
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| 20 | 25 | 89.3 | 387  | 8 US-09-945-749-8      | Sequence 8, APP     |
| 21 | 25 | 89.3 | 390  | 9 US-09-815-242-4545   | Sequence 4545, APP  |
| 22 | 25 | 89.3 | 472  | 10 US-09-815-242-19861 | Sequence 10861, APP |
| 23 | 25 | 89.3 | 477  | 10 US-10-053-107-6     | Sequence 6, APP     |
| 24 | 25 | 89.3 | 660  | 9 US-10-028-072-480    | Sequence 480, APP   |
| 25 | 25 | 89.3 | 670  | 9 US-10-028-072-480    | Sequence 22, APP    |
| 26 | 25 | 89.3 | 714  | 10 US-09-738-626-521   | Sequence 521, APP   |
| 27 | 25 | 89.3 | 216  | 10 US-09-815-242-12916 | Sequence 13003, APP |
| 28 | 25 | 89.3 | 875  | 10 US-09-815-242-13003 | Sequence 5313, APP  |
| 29 | 25 | 89.3 | 879  | 10 US-09-815-242-5312  | Sequence 5312, APP  |
| 30 | 25 | 89.3 | 892  | 9 US-09-895-626-198    | Sequence 198, APP   |
| 31 | 25 | 89.3 | 922  | 9 US-09-738-626-5476   | Sequence 5476, APP  |
| 32 | 25 | 89.3 | 1924 | 9 US-09-866-557A-2     | Sequence 2, APP     |
| 33 | 24 | 85.7 | 179  | 10 US-09-881-752A-258  | Sequence 36429, APP |
| 34 | 24 | 85.7 | 90   | 10 US-09-881-752A-258  | Sequence 258, APP   |
| 35 | 24 | 85.7 | 126  | 10 US-09-755-665-27    | Sequence 27, APP    |
| 36 | 24 | 85.7 | 133  | 10 US-09-755-665-4     | Sequence 4, APP     |
| 37 | 24 | 85.7 | 149  | 10 US-09-904-536-20    | Sequence 20, APP    |
| 38 | 24 | 85.7 | 182  | 10 US-09-815-242-5588  | Sequence 5588, APP  |
| 39 | 24 | 85.7 | 198  | 10 US-09-815-242-12416 | Sequence 12426, APP |
| 40 | 24 | 85.7 | 248  | 9 US-09-815-242-12773  | Sequence 12773, APP |
| 41 | 24 | 85.7 | 188  | 10 US-09-864-742-13139 | Sequence 13139, APP |
| 42 | 24 | 85.7 | 197  | 10 US-09-864-761-37766 | Sequence 37766, APP |
| 43 | 24 | 85.7 | 230  | 9 US-09-991-496-84     | Sequence 84, APP    |
| 44 | 24 | 85.7 | 230  | 10 US-09-874-923-84    | Sequence 84, APP    |
| 45 | 24 | 85.7 | 228  | 10 US-09-825-361-26    | Sequence 26, APP    |

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|----------------------|---------------------|--|
| RESULT 1             | ns-09-864-761-48640 | Application US-09-864-761-48640  |
| Patent No.           | US200320048763A1    | Patent Application Number: US200320048763A1  |
| GENERAL INFORMATION: |                     |  |
| Applicant:           | Chen, Weisheng      | Title of Invention: HUMAN GENOME-DEFINED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR CLONAL EXPRESSION ANALYSIS BY MICROARRAY |
| Attorney:            | Sharon G.           | File Reference: Acosta-X-1   |
| Attorney:            | Frank, David R.     | Filing Date: 2003-05-23  |
| Attorney:            | Hucale, David K.    | Prior Application Number: US-09-864-761  |
| Attorney:            |                     | Prior Filing Date: 2003-05-23  |
| Attorney:            |                     | Prior Application Number: US-09-2490-312   |
| Attorney:            |                     | Prior Application Number: US-09-207456   |
| Attorney:            |                     | Prior Filing Date: 2003-05-26  |
| Attorney:            |                     | Prior Application Number: US-09-24633-6  |
| Attorney:            |                     | Prior Filing Date: 2003-05-23  |
| Attorney:            |                     | Prior Application Number: US-09-236-359  |
| Attorney:            |                     | Prior Filing Date: 2003-05-27  |
| Attorney:            |                     | Prior Application Number: US-09-04666  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06667  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
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| Attorney:            |                     | Prior Application Number: US-09-06700  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
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| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06702  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06703  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06704  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06705  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06706  |
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| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06719  |
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| Attorney:            |                     | Prior Application Number: US-09-06720  |
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| Attorney:            |                     | Prior Application Number: US-09-06721  |
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| Attorney:            |                     | Prior Application Number: US-09-06722  |
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| Attorney:            |                     | Prior Application Number: US-09-06723  |
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| Attorney:            |                     | Prior Application Number: US-09-06724  |
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| Attorney:            |                     | Prior Application Number: US-09-06727  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06728  |
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| Attorney:            |                     | Prior Application Number: US-09-06729  |
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| Attorney:            |                     | Prior Application Number: US-09-06731  |
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| Attorney:            |                     | Prior Application Number: US-09-06732  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06733  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06734  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06735  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06736  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06737  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06738  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06739  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06740  |
| Attorney:            |                     | Prior Filing Date: 2003-05-30  |
| Attorney:            |                     | Prior Application Number: US-09-06741  |
| Attorney:            |                     | Prior Filing   |

PRIOR APPLICATION NUMBER: PCT/US01/00670  
 PRIOR FILING DATE: 2001-02-30  
 PRIOR APPLICATION NUMBER: US 60/234,687  
 PRIOR FILING DATE: 2000-09-21  
 PRIOR APPLICATION NUMBER: US 09/638,498  
 PRIOR FILING DATE: 2000-06-30  
 PRIOR APPLICATION NUMBER: US 09/274,203  
 PRIOR FILING DATE: 2001-01-29  
 NUMBER OF SEQ ID NOS: 4917  
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 LENGTH: 37  
 SOFTWARE: Annonax Sequence Listing Engine vers. 1.1  
 TYPE: PRT  
 FEATURE:  
 OTHER INFORMATION: MAP TO AC007225\_2  
 OTHER INFORMATION: EXPRESSED IN BONE MARROW; SIGNAL = 1.6  
 OTHER INFORMATION: EST HUMAN HIT: AU18020\_1; EVALUATE 4.00e-15  
 OTHER INFORMATION: SWISSPROT HIT: Q925N6; EVALUATE 3.00e-16  
 DS-09-B64\_761\_48620

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QY 1 QDYE 5  
 Db 19 QDYE 24

RESULT 2  
 DS-0-174-590-540  
 Sequence 540, Application US/10174590  
 GENERAL INFORMATION:  
 PUBLICATION NO. US200300098352A1  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Chen, Jian  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Pan, James  
 APPLICANT: Smith, Victoria  
 APPLICANT: Watanahe, Colin K.  
 APPLICANT: Wood, William L.  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

FILE REFERENCE: P34.0R1C104  
 CURRENT APPLICATION NUMBER: US/10174-590  
 CURRENT FILING DATE: 2002-06-18  
 PRIORITY APPLICATION REMOVED - See file wrapper or claim  
 NUMBER OF SEQ ID NOS: 612  
 LENGTH: 159  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-174-590-540

Query Match 100.0% Score 28; DB 9; length 159;  
 Best Local Similarity 100.0% Pred. No. 3.9;  
 Matches 5; conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QDYE 5  
 Db 22 QDYE 26

RESULT 4  
 DS-10-174-590-540  
 Sequence 540, Application US/10052586  
 GENERAL INFORMATION:  
 PATENT NO. US2002012758A1  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Chen, Jian  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Pan, James  
 APPLICANT: Smith, Victoria  
 APPLICANT: Watanahe, Colin K.  
 APPLICANT: Wood, William L.  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

FILE REFERENCE: P34.0R1C1  
 CURRENT APPLICATION NUMBER: US/10/052,586  
 CURRENT FILING DATE: 2002-01-15  
 PRIORITY APPLICATION NUMBER: 60/05263  
 PRIORITY FILING DATE: 1997-09-18  
 PRIORITY APPLICATION NUMBER: 60/059266  
 PRIORITY FILING DATE: 1997-09-18  
 PRIORITY APPLICATION NUMBER: 60/062250  
 PRIORITY FILING DATE: 1997-10-17  
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 PRIORITY APPLICATION NUMBER: 60/063486  
 PRIORITY FILING DATE: 1997-10-21  
 PRIORITY APPLICATION NUMBER: 60/063540  
 PRIORITY FILING DATE: 1997-10-28  
 PRIORITY APPLICATION NUMBER: 60/063544  
 PRIORITY FILING DATE: 1997-10-28  
 PRIORITY APPLICATION NUMBER: 60/063564  
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RESULT 4  
 DS-10-176-758-540  
 Sequence 540, Application US/10176758  
 PUBLICATION NO. US20030008354A1  
 GENERAL INFORMATION:

PRIOR APPLICATION NUMBER: 60/084414  
PRIOR FILING DATE: 1997-10-28  
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PRIOR APPLICATION NUMBER: 60/082797  
PRIOR FILING DATE: 1998-04-22  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/083559  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/083496  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/083499  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/083559  
PRIOR FILING DATE: 1998-05-05  
PRIOR APPLICATION NUMBER: 60/085573  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085579  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085580  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085582  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085700  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085860  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085873  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/086486  
PRIOR FILING DATE: 1998-05-22  
PRIOR APPLICATION NUMBER: 60/087098  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087208  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-05-22  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/088028  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/088029  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088033  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088167  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088202  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088212  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088226  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088655  
PRIOR FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/088722  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088738  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088825  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088811  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088863  
PRIOR APPLICATION NUMBER: 60/088876

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; SEQ ID NO 3
; LENGTH: 1332
; TYPE: PRI
; ORGANISM: Homo sapiens
; US-10-041-856-3

Query Match 100.0%; Score 28; DB 9; Length 1332;
Best Local Similarity 100.0%; Fred No. 3e-02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QDYE 5
Db 1074 QDYE 1078

RESULT 7
US-10-041-856-4

; Sequence 4, Application US/10041856
; Patent No. US2002016299A1
; GENERAL INFORMATION:
; APPLICANT: SLAUGENHAUPt, SUSAN
; APPLICANT: GUSELLA, JAMES F.
; TITLE OF INVENTION: GENE FOR IDENTIFYING INDIVIDUALS WITH FAMILIAL
; FILE REFERENCE: 1829-4.004US1
; CURRENT APPLICATION NUMBER: US/107941,856
; CURRENT FILING DATE: 2002-07-08
; PRIOR APPLICATION NUMBER: 60/260,080
; PRIOR FILING DATE: 2001-01-06
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 1332
; TYPE: PRI
; ORGANISM: Mus musculus
; US-10-041-856-4

Query Match 100.0%; Score 28; DB 9; Length 1332;
Best Local Similarity 100.0%; Fred No. 3e-02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QDYE 5
Db 1074 QDYE 1078

RESULT 8
US-10-041-856-5

; Sequence 5, Application US/10041856
; Patent No. US2002016299A1
; GENERAL INFORMATION:
; APPLICANT: SLAUGENHAUPt, SUSAN
; APPLICANT: GUSELLA, JAMES F.
; TITLE OF INVENTION: GENE FOR IDENTIFYING INDIVIDUALS WITH FAMILIAL
; FILE REFERENCE: 1829-4.004US1
; CURRENT APPLICATION NUMBER: US/107941,856
; CURRENT FILING DATE: 2002-07-08
; PRIOR APPLICATION NUMBER: 60/260,080
; PRIOR FILING DATE: 2001-01-06
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1332
; TYPE: PRI
; ORGANISM: Homo sapiens
; US-10-041-856-5

Query Match 100.0%; Score 28; DB 9; Length 1332;
Best Local Similarity 100.0%; Fred No. 3e-02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QDYE 5
Db 401 QDYE 405

RESULT 6
US-10-041-856-3

; Sequence 3, Application US/10041856
; Patent No. US2002016299A1
; GENERAL INFORMATION:
; APPLICANT: SLAUGENHAUPt, SUSAN
; APPLICANT: GUSELLA, JAMES F.
; TITLE OF INVENTION: GENE FOR IDENTIFYING INDIVIDUALS WITH FAMILIAL
; FILE REFERENCE: 1829-4.004US1
; CURRENT APPLICATION NUMBER: US/107941,856
; CURRENT FILING DATE: 2002-07-08
; PRIOR APPLICATION NUMBER: 60/260,080
; PRIOR FILING DATE: 2001-01-06
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn Ver. 2.1
; LENGTH: 1332
; TYPE: PRI
; ORGANISM: Homo sapiens
; US-10-041-856-5

Query Match 100.0%; Score 28; DB 9; Length 1332;
Best Local Similarity 100.0%; Fred No. 3e-02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QDYE 5

```

Db 1074 QDYE 1078

RESULT 9

US-09-864-761-38993  
Sequence 38993, Application US/09864761

GENERAL INFORMATION:

APPLICANT: Penn, Sharron C.  
APPLICANT: Rank, David K.  
APPLICANT: Han, E-L, David K.  
APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR THE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aconica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/201,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632,366  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: GB 24263,6  
PRIOR FILING DATE: 2000-11-04  
PRIOR APPLICATION NUMBER: US 60/216,359  
PRIOR FILING DATE: 2000-11-07  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00668  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00669  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00665  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00664  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00663  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00662  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00661  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00670  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: US 60/234,687  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: US 09/608,408  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: US 09/774,203  
PRIOR FILING DATE: 2001-01-29  
NUMBER OF SEQ ID NOS: 49,117

SOFTWARE: Annotrax Sequence Listing Engine vers. 1.1  
SEQ ID NO: 38993  
LENGTH: 36

TYPE: PRT  
ORGANISM: Homo sapiens

FEATURE:  
OTHER INFORMATION: MAP TO AC004491  
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.5  
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.1  
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4  
OTHER INFORMATION: EXPRESSED IN KIDNEY, SIGNAL = 3.8  
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 3.4  
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 3.7  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4

US-09-864-761-38993  
Sequence 38993, Application US/09864761

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.  
APPLICANT: Rank, David K.  
APPLICANT: Han, E-L, David K.  
APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR THE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aconica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/201,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632,366  
PRIOR FILING DATE: 2000-08-03  
SEQ ID NO: 6719  
LENGTH: 104  
TYPE: PRT  
ORGANISM: Corynebacterium glutamicum

US 09-738-626-6719  
Query Match Score 45; DB 9; Length 104;  
best Local Similarity 4, Conservative 2, Mismatches 0, Indels 0, Gaps 0;

RESULT 10

US-09-864-761-34684  
Sequence 34684, Application US/09864761

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.  
APPLICANT: Rank, David K.  
APPLICANT: Han, E-L, David K.  
APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aconica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/201,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632,366  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: US 09/738-626-6719  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 09/234,359

Query Match Score 25; DB 10; Length 46;

PRIOR FILING DATE: 2000-09-27  
 PRIOR APPLICATION NUMBER: PCT/US01/00666  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00657  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00664  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00669  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00665  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00668  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00663  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00662  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00661  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00670  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: US 6,0234,687  
 PRIOR FILING DATE: 2000-09-21  
 PRIOR APPLICATION NUMBER: US 69,608,408  
 PRIOR FILING DATE: 2000-06-30  
 PRIOR APPLICATION NUMBER: US 09,774,203  
 PRIOR FILING DATE: 2001-01-29  
 NUMBER OF SEQ ID NOS: 49117  
 SEQ ID NO: 44684  
 LENGTH: 134  
 TYPE: PRT  
 ORGANISM: Homo sapiens

FEATURE:  
 OTHER INFORMATION: MAP 10 AC010680 2  
 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 9.1  
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 3.4  
 OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 5.3  
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.4  
 OTHER INFORMATION: EST HUMAN HIT: AA196127.1, EVALUATE 2.00<25  
 OTHER INFORMATION: SWISSPROT HIT: Q28820, EVALUATE 5.60<0.01  
 US 09-864-761-34684

Query Match Score 25: DB 10; Length 134;  
 Best Local Similarity 80.0%; pred. No. 1; 3e-02;  
 Matches 4; Conservative 1; Mismatches 0; Gaps 0;  
 QY |||||  
 DB 75 EDYEE 76

RESULT 12  
 US 09-867-550-1364  
 Sequence 1394, Application US/0967550  
 Patent No. US20020182209A1  
 GENERAL INFORMATION:  
 APPLICANT: Leach, Martin D.  
 APPLICANT: Mohrman, Paul A.  
 APPLICANT: Tonley, Pamela  
 APPLICANT: Law, Debbie  
 APPLICANT: Topper, James  
 TITLE OF INVENTION: Thorey  
 FILER REFERENCE: 21402-013 (Gura-313)  
 CURRENT FILING DATE: 2001-09-20  
 PRIOR APPLICATION NUMBER: ISSN 60/208, 427  
 PRIOR FILING DATE: 2000-05-10  
 NUMBER OF SEQ ID NOS: 2125  
 SOFTWARE: FASTSEQ for Windows Version 4.0  
 SEQ ID NO: 1394  
 LENGTH: 181

TYPE: PRT  
 ORGANISM: Homo sapiens  
 US 09-867-550-1394

Query Match Score 25: DB 10; Length 181;  
 Best Local Similarity 80.0%; pred. No. 1; 7e-02;  
 Matches 4; Conservative 1; Mismatches 0; Gaps 0;  
 QY |||||  
 DB 165 QDYQE 169

RESULT 13  
 US 09-745-763-4  
 Sequence 4, Application US/09745763  
 Patent No. US20020065394A1  
 GENERAL INFORMATION:  
 APPLICANT: Jacobs, Kenneth  
 APPLICANT: McCoy, John M.  
 APPLICANT: LaValle, Edward R.  
 APPLICANT: Collins-Reeve, Lisa A.  
 APPLICANT: Evans, Cherry  
 APPLICANT: Merberg, David  
 APPLICANT: Treacy, Maurice  
 APPLICANT: Spaulding, Vikki  
 TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES  
 NUMBER OF SEQUENCES: ENCODING THEM  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genetics Institute, Inc.  
 STREET: 87 CambridgePark drive  
 CITY: Cambridge  
 STATE: MA  
 COUNTRY: U.S.A.  
 ZIP: 02140  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/745763  
 FILING DATE: 18-Jun-2000  
 CLASSIFICATION: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Springer, Suzanne A.  
 REGISTRATION NUMBER: 41,323  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 498-8284  
 TELEFAX: (617) 876-5851  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 216 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: <Unknown>  
 TOPOLOGY: Linear  
 MOLECULE TYPE: Protein  
 SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
 US-09-745-763-4

Query Match Score 25: DB 10; Length 216;  
 Best Local Similarity 80.0%; pred. No. 2; 1e-52;  
 Matches 4; Conservative 1; Mismatches 0; Gaps 0;  
 QY |||||  
 DB 205 QDYQE 206

RESULT 14  
 US-09-800-729-87  
 Sequence 87, Application US/09800729

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; Patent No: US20020068319A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: PZ044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 87
; LENGTH: 298
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-87

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Query Match          89.3% Score 25: DB 1.0; Length: 298;
Best Local Similarity 80.0% Pred. No.: 2.8e+02;
Matches 4; Conservative 1; Missmatches 0; Indels 0; Gaps 0;
Db      45 QDYEED 49

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RESULT 15
US-09-800-729-121
; Sequence 121, Application US/09800729
; Patent No: US20020068319A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: PZ044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 121
; LENGTH: 298
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-121

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Query Match          89.3% Score 25: DB 1.0; Length: 298;
Best Local Similarity 80.0% Pred. No.: 2.8e+02;
Matches 4; Conservative 1; Missmatches 0; Indels 0; Gaps 0;
Db      45 QDYEED 49

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Search completed: January 16, 2003, 17:00:10  
 Job time : 3.0743 secs

